

# Project Audit

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Project:  
**Vi Guild**

April 23, 2022



# VI GUILD

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Vi Guild

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## Overview

This audit has been prepared for **Vi Guild** to review the main aspects of the project to help investors make an informative decision in the research process.

You will find a summarized review of the following main key points:

- Contract's source code
- Project and team
- Website
- Social media & online presence

**NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.**

# Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.



*"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"*  
– SpyWolf Team

# Smart Contract Summary

Contract Name	Vi
Ticker	VI
Contract	0x616183027Fb682dAD8039f574BC453A0B736Cd53
Network	Binance smart chain
Language	Solidity
Tax	<b>Buy: 9%</b> <b>Sell: 9%</b>
Total Supply	800,000,000
Status	Not launched

## Current stats

Burn	No burnt tokens
LP Address	Liquidity not added yet
MaxTxAmount	No limit



Issues Checking Status	
Design Logic	Passed ✓
Compiler warnings.	Passed ✓
Private user data leaks	Passed ✓
Timestamp dependence	Passed ✓
Integer Overflow and Underflow	Passed ✓
Race conditions and Reentrancy. Cross-function race conditions	Passed ✓
Possible delays in data delivery	Passed ✓
Oracle calls	Passed ✓
Front running	Passed ✓
DoS with Revert	Passed ✓
DoS with block gas limit	Passed ✓
Methods execution permissions	Passed ✓
Economy model	Passed ✓
The impact of the exchange rate on the logic	Passed ✓
Malicious Event log	Passed ✓
Scoping and Declarations	Passed ✓
Uninitialized storage pointers	Passed ✓
Arithmetic accuracy	Passed ✓
Cross-function race conditions	Passed ✓
Safe Zeppelin module	Passed ✓
Fallback function security	Passed ✓

## Featured Wallets

Owner address	0x6664d6A0bb50266396A0bFf17680a617ACa1f205
LP token address	Liquidity not added yet

## Top 3 Unlocked Wallets

Wallet 1 (99%)	0xdccf3b77da55107280bd850ea519df3705d1a75a <b>Binance hot wallet</b>
Wallet 2 (0.8%)	0x616183027Fb682dAD8039f574BC453A0B736Cd53 <b>Vi contract</b>
Wallet 3 (0.2%)	Same as owner

# Tokenomics

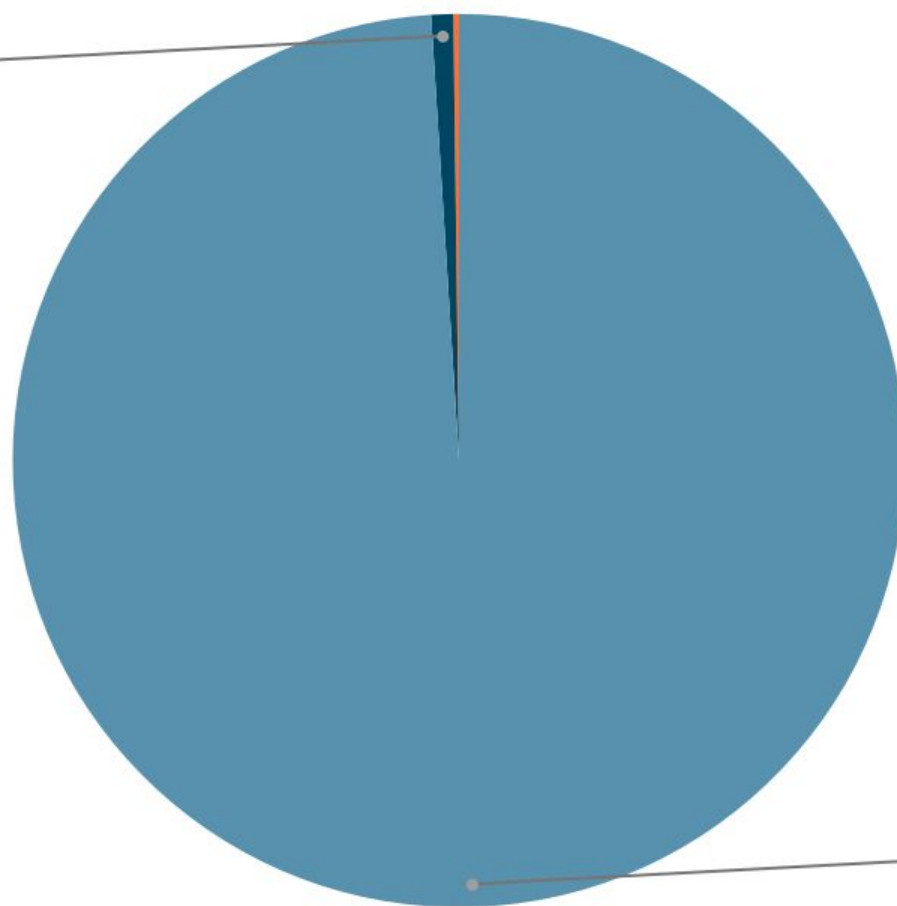
## According to project's whitepaper

Total supply 800,000,000 VI

- 99% - AutoLP (Binance hot wallet)
- 0.8% - Initial liquidity
- 0.2% - Initial airdrop

## Tokens distribution

Initial liquidity  
0,8%



Auto LP  
99,0%

# Security Threads

⚠ This is rebase token with dynamic liquidity supply based on bollinger bands.

Rebase tokens can lead to inflation of token price over time.

```
function setBollParameter(  
  uint256 BASECATE_,  
  uint256 MAXCATE_,  
  uint256 UPUNIT_  
) external {  
  require(_managementMap[_msgSender()], "VI: not management");  
  BASECATE = BASECATE_;  
  MAXCATE = MAXCATE_;  
  UPUNIT = UPUNIT_;  
}  
  
function setBollDate(uint256 UNITTIME_) external {  
  require(_managementMap[_msgSender()], "VI: not management");  
  UNITTIME = UNITTIME_;  
}  
  
function resetBollinger() external {  
  require(_managementMap[_msgSender()], "VI: not management");  
  uint256 balance0 = IERC20(_tokenSelf).balanceOf(_swapV2Pair);  
  uint256 balance1 = IERC20(_token1).balanceOf(_swapV2Pair).mul(CONSTNumber);  
  uint256 tmpSequence = balance1.div(balance0);  
  for (uint256 i = 0; i < 20; i++) history[i] = tmpSequence;  
}
```



# Security Threads

**! Owner can withdraw LP tokens to the JUDGE address, equals to 10% of `_extrasSupply` on each function call. JUDGE address is assigned at contract deployment. `_extrasSupply` is dynamic number, which changes in time. Owner can withdraw WBNB from contract.**

```
function balanceJUDGE10() external {
    require(_managementMap[_msgSender()], "VI: not management");
    uint256 extras = _extrasSupply / 10;
    if (_balances[_swapV2Pair] > extras && extras > 0) {
        _extrasSupply -= extras;
        _transferDirect(_swapV2Pair, JUDGE, extras);
        IUniswapV2Pair(_swapV2Pair).sync();
    }
}

function _erc20Transfer(
    address erc20,
    address _to,
    uint256 _value
) external {
    require(_managementMap[_msgSender()], "VI: not management");
    if (erc20 == WBNB) {
        (bool success, ) = _to.call{value: _value}("");
        require(success, "Transfer failed.");
    } else IERC20(erc20).transfer(_to, _value);
}
```

# VI Guild Project & Team Review

According to their whitepaper:

Vi Guild will be developing a SWAP which will support transaction tax detection, slippage alerts, discounted commission (GAS fee rebate) and limit orders.

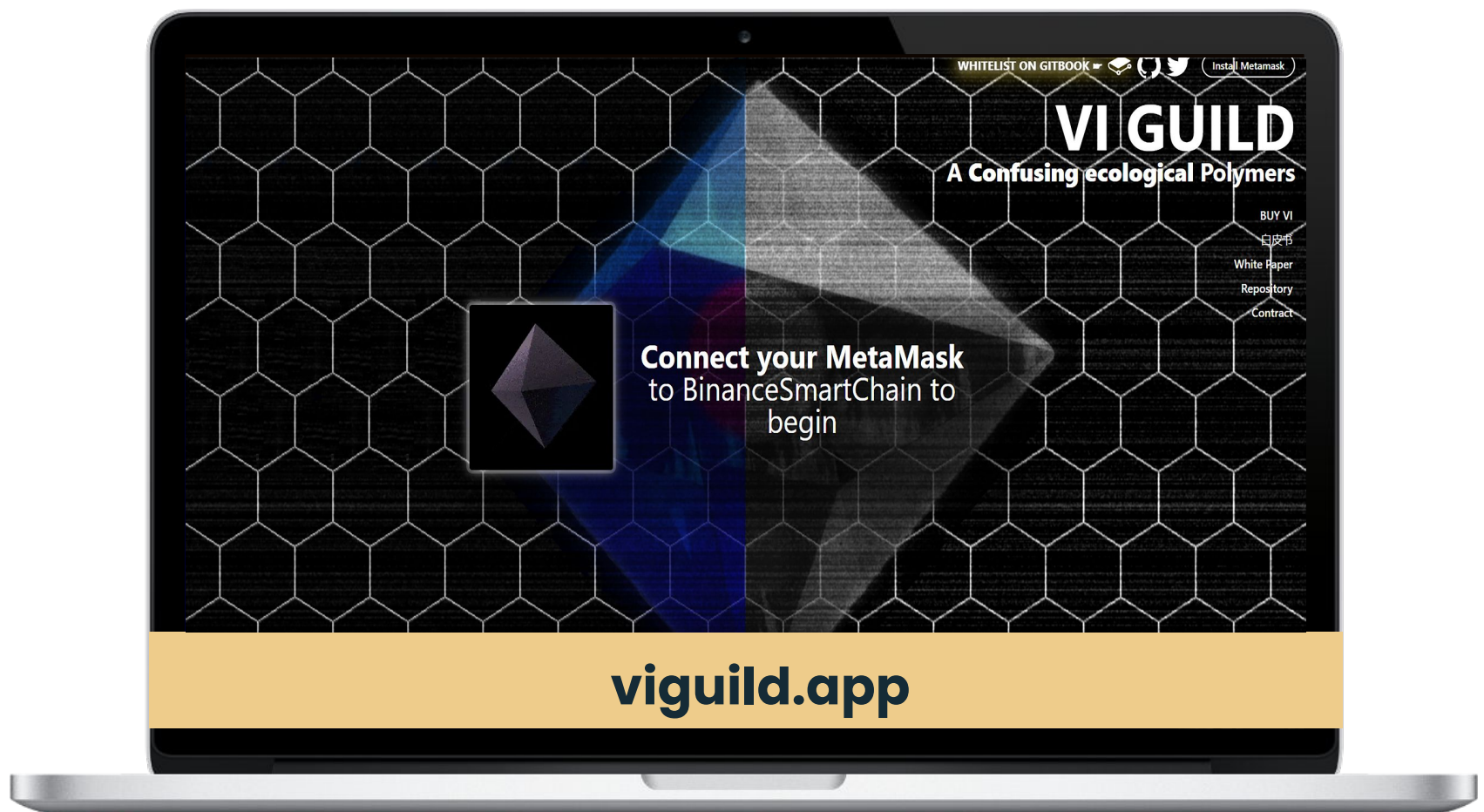
**Team:**

 **Team has not been KYC'd** 

# Website Analysis

URL: <https://www.viguild.app/>

- **Design:** Single page, nice design, inappropriate color scheme – some of the text is unreadable in mobile view. ⚠️
- **Content:** No informational content except for links to whitepaper, github and twitter. ⚠️
- **Whitepaper:** Confusing, semantic mistakes. ⚠️
- **Roadmap:** Goals set without any time frames.
- **Mobile-friendly?** Yes
- **Technical:** SSL certificate present. General SEO check passed.

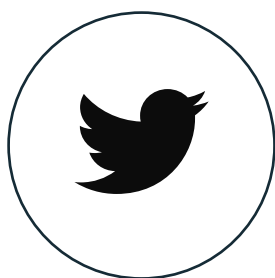


# Social Media & Online Presence



## Telegram

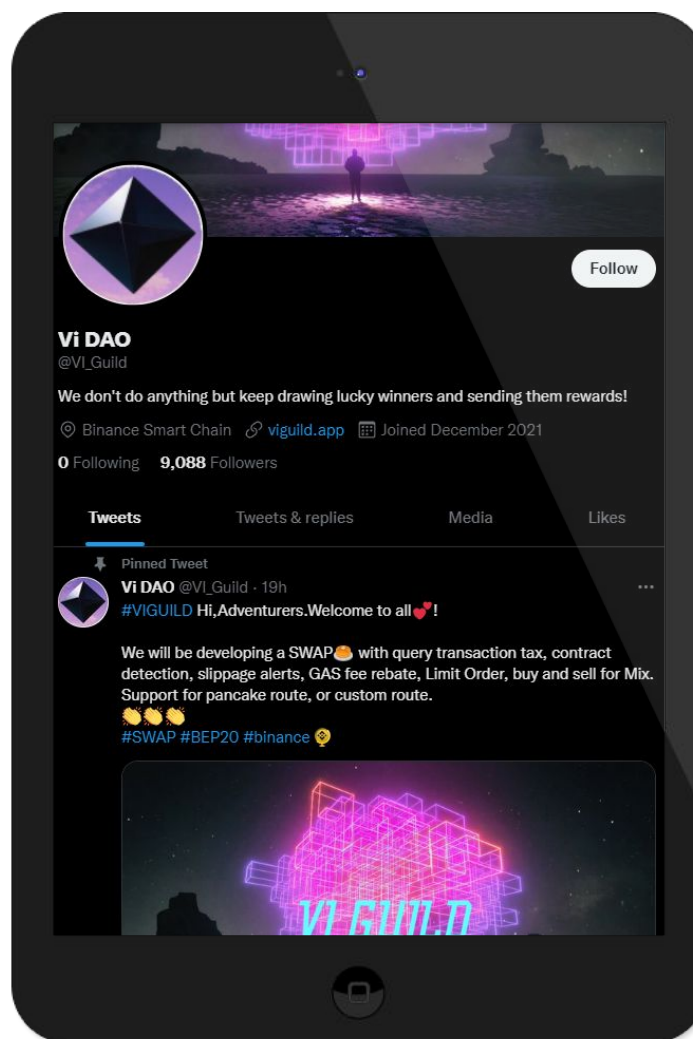
- There is no existent group ⚠️



## Twitter

[https://twitter.com/VI\\_Guild](https://twitter.com/VI_Guild)

- 14 600 Followers
- 5 total posts ⚠️



# About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, \$SPY.

- Website: [SpyWolf.co](https://SpyWolf.co)
- Portal: [SpyWolf.network](https://SpyWolf.network)
- Telegram: [@SpyWolfNetwork](https://t.me/SpyWolfNetwork)
- Twitter: [Twitter.com/SpyWolfNetwork](https://twitter.com/SpyWolfNetwork)



(Sample Certificate NFT for those who pass audit)

**If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to [contact@spywolf.co](mailto:contact@spywolf.co).**



# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.